

**A B S T R A C T**

- Provided, among other things, is a kit providing pre-measured amounts of components to form a fluorocarbon nutrient emulsion capable of carrying oxygen to living tissue, the kit comprising: constituent solutions, emulsions or particle compositions, which are the constituent compositions, containing pre-measured amounts of components for making the fluorocarbon nutrient emulsion, the constituent compositions comprising: poly-fluorinated, oxygen-carrying compound; a physiologically acceptable emulsifying agent effective to emulsify the polymer; a nutrient-providing effective amount of carbohydrate; nutrient-providing effective amounts of amino acids or amino acid precursors; an oncotic agent in amount effective to provide, in conjunction with the other components of the solution, a physiologically acceptable oncotic pressure; and sufficient salts and buffering agents to provide a physiological osmotic pressure and physiologically appropriate concentrations of potassium and sodium ions; wherein constituent compositions are selected to allow for sufficient stability of the components to allow for commercial marketing of the kit.
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